

DT Overview

	Autumn	Spring	Summer 1
Year 1	Aspect of DT: Mechanisms Focus: Sliders and levers Project: Design, make and evaluate a Christmas card for parents/grandparents/carers to celebrate Christmas. Links to Topics and Themes: Christmas	Aspect of DT: Structures Focus: Freestanding structures Project: Design, make and evaluate an enclosure for a farm animal for another KS1 child to play with during roleplay. Links to Topics and Themes: Playground	Aspect of DT: Food Focus: Preparing fruit and vegetables Project: Design, make and evaluate a fruit smoothie for friends at school to sell at summer fayre. Links to Topics and Themes: Summer Fayre
Year 2	Aspect of DT: Mechanisms Focus: Wheels and axles Project: Design, make and evaluate a toy vehicle for children in the nursery to play with. [Primary Engineer] Links to Topics and Themes: Science – Properties of everyday materials	Aspect of DT: Food Focus: Preparing fruit and vegetables Project: Design, make and evaluate fruit and vegetable kebabs for their own consumption at a picnic. Links to Topics and Themes: Science – Healthy eating Writing – Writing instructions	Aspect of DT: Textiles Focus: Templates and joining techniques Project: Design, make and evaluate a glove puppet to entertain and engage younger children through storytelling and imaginative play. Links to Topics and Themes: Science – Properties of everyday materials

Year 3	Aspect of DT: Structures Focus: Shell structures Project: Design, make and evaluate packaging for a gift for the Yanomami tribe. Links to Topics and Themes: Rainforest	Aspect of DT: Food Focus: Healthy and varied diet Project: Design, make and evaluate blinis for a European country as part of a celebration. Links to Topics and Themes: Our European Neighbours	Aspect of DT: Textiles Focus: 2-D shape to 3-D product Project: Design, make and evaluate a coin purse for children in KS2 to store their pocket money. Links to Topics and Themes: Investigating India
Year 4	Aspect of DT: Mechanical Systems Focus: Pneumatics Project: Design, make and evaluate a moving Christmas themed toy for a KS1 child to play with linked to the story 'Monster Christmas'. Links to Topics and Themes: Christmas	Aspect of DT: Electrical Systems Focus: Simple circuits & switches Simple programming and control Project: Design, make and evaluate a personalised, programmable nightlight for a KS1 child to put in their bedroom to help them settle at bedtime. Links to Topics and Themes: Science – Electricity Computing – Micro:bits programming	Aspect of DT: Food Focus: Healthy and varied diet Project: Design, make and evaluate biscuits for a staff member to eat for a snack. Links to Topics and Themes: Science – Animals inc. humans (nutrition, digestive system)

Year 5	Aspect of DT: Textiles Focus: Combining different fabric shapes Project: Design, make and evaluate a stuffed Christmas decoration/toy for a child to display/play with to celebrate Christmas. Links to Topics and Themes: Christmas	Aspect of DT: Structures Focus: Frame structures Project: Design, make and evaluate a [small-scale] bird hide for children to use in the school wildlife area to observe birds and other wildlife. Links to Topics and Themes: Forest School	Aspect of DT: Food Focus: Celebrating culture and seasonality Project: Design, make and evaluate a pizza snack for a KS2 child to make as a healthy and quick snack. Links to Topics and Themes:
Year 6	Aspect of DT: Electrical Systems Focus: More complex switches and circuits Electrical monitoring & control Project: Design, make and evaluate an electrical game for KS2 children to play at wet playtimes. Links to Topics and Themes: Science – Electricity Computing – Micro:bits programming	Aspect of DT: Food Focus: Celebrating culture and seasonality Project: Design, make and evaluate a seasonal soup that could be served for KS2 children to eat at lunchtime during cooler weather. Links to Topics and Themes:	Aspect of DT: Mechanical Systems Focus: Pulleys and gears Project: Design, make and evaluate controllable toy vehicle that includes pulleys suitable for a KS2 child to play with. [Primary Engineer] Links to Topics and Themes: Science – pulleys and gears

Food
Structures
Electrical Systems
Mechanisms
Textiles